

ABSTRACT

[Objective] A fuel cell system is provided, which is capable of effectively suppressing progress of decay of water with a simple configuration and without energy consumption so as not to substantially cause problems to occur in water supply and water purification functions.

[Solving means] A fuel cell system includes a hydrogen generator (1) configured to generate hydrogen by causing a reforming reaction to proceed using a material and water, a fuel cell (5) configured to generate power by causing an electrochemical reaction to proceed using the hydrogen generated in the hydrogen generator and an oxidizing agent, a cooling water circulation portion (7) configured to circulate water for cooling the fuel cell, a water condenser (8) configured to condense water discharged from at least one of the hydrogen generator and the fuel cell, a first water storage portion (9) configured to store the water condensed by the water condenser, a water supply portion (3) configured to take out the water from the first water storage portion and to supply the water to at least one of the hydrogen generator, the fuel cell, and the cooling water circulation portion, a controller, and a water replenishment portion (10) configured to replenish water in the first water storage portion from the cooling water circulation portion, wherein the first water storage portion is provided with a discharge port; and the controller is configured to perform control so that the water in the first water storage portion is discarded through the discharge port and the water replenishment portion causes the cooling water circulation portion to replenish the water in the first water storage portion.